

# Mobile Development: Plan for week 04

[week 05](#)

## Goal for this week

- Get a running Android Studio with Virtual Android Device
- Be able to use Android Studio for making very simple APP deploy and running app it on Virtual device and Physic device
- Use UI designer for experience with UI controls lookout
- use debug and device manage facilities
- You focus on getting familiar with the development environment

## Teachers plan for Monday 25<sup>th</sup> January

- Introduction to Specialization in general  
Se Fronter – 4. Sem – SEM INFO for documents
- Installing tools for Mobile development with Android  
Follow installation guide - [InstallAndroid.pdf](#) / [InstallAndroid.pptx](#)

Guide and software will be on a USB-PEN to copy, but can also be downloaded according to guide. Plan is to use Visual Studio Android Emulator and Android Studio for the Android part of the course.

Textual, code and video resources:

<http://developer.android.com/index.html>

- Training: <http://developer.android.com/training/index.html>



TheNewBoston – Android Video Tutorials

[Android App Development for Beginners Playlist - YouTube](#)

Mobile Blog: <http://dm-mobile.blogspot.dk/>

Twitter for the course: [#dmuMobile](#)

## Preparation before Friday 29<sup>th</sup> January

- Try to put some fixed UI elements into the APP screen using drag and drop in the designer (no action needed for now)  
For each change try to run it on the emulator and if access to physical also on a such.
- Try to debug – set breakpoint at onCreate method.  
Control the
- Make some new apps the same way (Blank Activity)  
Se install document (Monday)
- You might find these videos useful even if they are use with eclipse – the tool is the same started from Android Studio  
They are in Danish – sorry  
 [Andoid-pbs111: Debugging og afvikling af android apps i eclipse](#)  
 [Andoid-pbs111: Brug af DDMS i eclipse til at kontrolere afvikling af applicationer](#) (Android Device Monitor)
- View the video tutorial 1-8 from this theNewBoston playlist:  
[http://www.youtube.com/playlist?list=PL6gx4CwI9DGBsvRxJJOzG4r4k\\_zLKrnxl](http://www.youtube.com/playlist?list=PL6gx4CwI9DGBsvRxJJOzG4r4k_zLKrnxl)
- Read the following and try to find more stuff about the Android platform and general purpose on internet  
Short introduction to and discussion about Android  
Slides: [androidbackground.pdf](#) & [Android Intro01.pdf](#)

## [Platform Versions](#)

- View the video tutorial 1-8 from this theNewBoston playlist:  
[http://www.youtube.com/playlist?list=PL6gx4CwI9DGBsvRxJJOzG4r4k\\_zLKrnxl](http://www.youtube.com/playlist?list=PL6gx4CwI9DGBsvRxJJOzG4r4k_zLKrnxl)

## **Teachers plan for Friday 29<sup>th</sup> January – 8:30-10:00**

- We will start having a short talk in general about Android and using Android studio
- Demo of making and run small counter app (use Blanc Activity template for project)  
[SimpleCounterAppWithAndroidStudio\\_201508170736.zip](#)
- You should be able to make really simple apps include using UI designer.
- You should be able to deploy/run it on a virtual device as well as a physical device including debugging.
- You should be able to Use and tools for controlling the device (Android Device Monitor / ADM / DDMS)
- You should be able to create and use virtual device (Visual Studio Android Device/ Android Device (ADV) Monitor).
- You should be able to use SDK manager for managing different Android versions.

## **[Preparation you have to do before next Tuesday – click to get the plan](#)**